Index of Claims

Application/Control No.

10/699,160 Examiner

Reexamination

Applicant(s)/Patent under

KANEMOTO ET AL.

Art Unit

Kelly Mahafkey

1761

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

| Claim          |          | Date     |          |          |                           |   |           |          |   | Claim    |    |          |           |                 |          |   |
|----------------|----------|----------|----------|----------|---------------------------|---|-----------|----------|---|----------|----|----------|-----------|-----------------|----------|---|
|                |          | $\vdash$ |          | П        | Т,                        |   | Ť         | Г        |   |          |    | <u> </u> |           | -               | $\neg$   | _ |
| Final          | Original | 4/20/06  |          |          | !<br>:                    |   |           |          |   |          |    | Final    | Original  |                 |          |   |
|                | 1        | V        |          | Г        |                           |   |           |          | Г   |          |    |          | 51        |                 | П        | _ |
|                | 2        | 1        |          | Г        |                           |   |           |          |   |          | li |          | 52        | П               | $\Box$   |   |
|                | 3        | П        |          |          |                           |   |           |          |   |          |    |          | 53        | П               |          | _ |
|                | 4        | V        |          | Γ        |                           |   | П         |          |   |          |    |          | - 54      | П               | П        |   |
|                | 5        | 1        |          | П        |                           |   |           |          |   |          | ΙÍ |          | 55        | П               | $\Box$   |   |
|                | 6        |          |          | Г        |                           |   |           |          | Г   |          |    |          | 56        |                 | $\sqcap$ |   |
|                | 7        | П        |          | П        |                           |   |           |          |   |          |    |          | 57        |                 | П        | _ |
|                | 8        |          |          |          |                           |   |           |          |   |          |    |          | 58        |                 |          | _ |
|                | 9        |          |          |          |                           |   |           |          |   |          |    |          | 59        |                 |          | _ |
|                | 10       |          |          |          |                           |   |           |          |   |          |    |          | 60        |                 |          | _ |
|                | 11       |          |          |          |                           |   |           |          |   |          |    |          | 61        |                 |          | _ |
|                | 12       |          |          |          |                           |   |           |          |   |          |    |          | 62        |                 |          |   |
|                | 13       |          |          |          |                           |   |           |          |   |          |    |          | 63        |                 |          |   |
|                | 14       |          |          |          |                           |   |           |          | L   |          |    |          | 64        |                 |          |   |
|                | 15       |          |          |          |                           |   |           |          |   |          |    |          | 65        |                 |          |   |
|                | 16<br>17 |          |          |          |                           |   |           |          |   |          |    |          | 66        |                 |          |   |
|                | 17       |          |          |          |                           |   |           |          |   |          |    |          | 67        |                 |          |   |
|                | 18       |          |          |          |                           |   |           |          |   |          |    |          | 68        |                 |          |   |
|                | 19       |          |          |          |                           |   |           |          |   |          |    |          | 69        |                 |          |   |
|                | 20       |          |          |          |                           |   |           |          |   |          |    |          | 70        |                 |          | _ |
|                | 21       |          |          |          |                           |   |           |          |   |          |    |          | 71        |                 |          | _ |
|                | 22<br>23 |          |          |          |                           |   |           |          |   |          |    |          | 72        |                 |          | _ |
|                | 23       |          |          |          |                           |   |           |          |   |          |    |          | 73        |                 |          |   |
|                | 24       | L        |          | L        | _                         |   |           |          |   | L        |    |          | 74        | Ш               |          |   |
|                | 25       |          | L        | L        |                           |   |           |          |   |          |    |          | 75        |                 |          |   |
|                | 26       |          | L        | _        |                           |   | L         |          |   |          |    |          | 76        | Щ               |          |   |
|                | 27       | <u> </u> | <u> </u> | L.       |                           |   | L_        |          |   |          |    |          | 77        | Щ               |          |   |
|                | 28       | _        | L        | _        |                           | _ | L         |          | L   |          |    |          | 78        |                 |          |   |
|                | 29       | L        | L        | <u> </u> |                           |   |           |          |   | _        |    |          | 79        | Ш               |          |   |
|                | 30       | _        |          | <u> </u> | L                         |   | L         |          |   |          |    |          | 80        | Ш               |          |   |
|                | 31       | _        |          |          |                           |   | <u> </u>  |          |   |          |    |          | 81        | Щ               | $\dashv$ |   |
|                | 32       | L        | L        | L        | _                         |   | ļ         |          |   |          |    |          | 82        |                 | $\Box$   |   |
| $\perp$        | 33       | <u> </u> |          | L        |                           |   | L_        |          |   | L        | ļ  |          | 83        | Ш               |          |   |
| <u> </u>       | 34       | <u> </u> |          | L_       |                           |   | _         | _        | $ldsymbol{ld}}}}}}$ | <u> </u> | ļ  |          | 84        |                 | _        | _ |
| <u></u>        | 35       |          |          | L        |                           |   |           |          |   | L        |    |          | 85        | Щ               | _        |   |
|                | 36       |          |          |          |                           |   |           |          |   | Ш        |    |          | 86        | Щ               | _        |   |
|                | 37       | _        | _        |          | _                         |   | _         |          |   | _        |    |          | 87        |                 | _        |   |
|                | 38       |          | _        |          |                           |   |           |          |   |          |    |          | 88        | Щ               | 4        | _ |
| $\vdash$       | 39       |          |          |          | Щ                         |   |           |          |   |          |    |          | 89        |                 | _        |   |
|                | 40       | <u> </u> |          | <u> </u> | $ldsymbol{ldsymbol{eta}}$ |   |           |          | <u> </u>  |          |    |          | 90        | $\Box$          | $\dashv$ |   |
| <b>—</b>       | 41       |          |          |          |                           |   | _         |          |   |          |    |          | 91        | Щ               | _        | _ |
| -              | 42       | $\vdash$ | _        | ⊢        | $\vdash$                  | _ | $\vdash$  | <u> </u> | <u> </u>  | <u> </u> |    |          | 92        | dash            | -        |   |
| $\vdash\vdash$ | 43       |          | <u> </u> | <u> </u> | Н                         |   | <b> -</b> | -        | <u> </u>  | <u> </u> |    |          | 93        | $\vdash \vdash$ | $\dashv$ | _ |
|                | 44       | $\vdash$ | <u> </u> | ├        | H                         |   | <u> </u>  |          |   | $\vdash$ |    |          | 94        | $\vdash \vdash$ | -+       | _ |
| $\vdash$       | 45       | $\vdash$ | $\vdash$ | $\vdash$ | -                         |   | <u> </u>  |          | <u> </u>  | <u> </u> |    |          | 95        | $\dashv$        | $\dashv$ | _ |
| $\vdash$       | 46       | -        | -        | <u> </u> | $\vdash$                  |   | H         |          | $\vdash$  | $\vdash$ |    |          | 96        | $\vdash$        | -        |   |
| -              | 47       | $\vdash$ | -        | -        | H                         |   | -         |          | -   | $\vdash$ |    |          | 97        |                 | $\dashv$ |   |
| $\vdash$       | 48       | $\vdash$ | -        | $\vdash$ | Н                         |   | -         |          | $\vdash$  | $\vdash$ |    |          | 98        | $\vdash$        | -+       | _ |
| $\vdash$       | 49<br>50 | $\vdash$ | $\vdash$ | H        |                           |   | $\vdash$  |          | -   | $\vdash$ |    |          | 99<br>100 | $\dashv$        | -+       | - |
| L              | 50       | Ц        | <u> </u> |          | ш                         |   |           |          | بـــا   |          | L  |          | 100       |                 |          |   |

| Claim         |  | Date   |          |  |          |          |            |  |          |          |  |  |
|---------------|--|--|----------|--|----------|----------|------------|--|----------|----------|--|--|
| Ui            | aim  | L  |          | _  |          | Jati     | <u>e</u>   | _  |          |          |  |  |
| Final         | Original   |  |          |  |          |          |            |  |          |          |  |  |
|               | 51   |  |          |  |          |          |            |  | П        |          |  |  |
|               | 51<br>52   |  |          |  |          |          |            |  | Г        | $\vdash$ |  |  |
|               | 53   | Г  | T        |  |          | <u> </u> | $\vdash$   | _  | _        | $\vdash$ |  |  |
|               | - 54   |  |          | <u> </u>   | 1        | $\vdash$ | <b>†</b>   | $\vdash$   | T        | $\vdash$ |  |  |
| $\overline{}$ | 53<br>54<br>55   |  |          | <del>                                     </del> |          |          |            |  |          |          |  |  |
|               | 56   | _  |          |  | m        |          | $\vdash$   | ┢  | ┢        |          |  |  |
| <u> </u>      | 56<br>57   | ┢  |          | <del>                                     </del> |          |          | $\vdash$   | 一  | ┢        |          |  |  |
| <b></b>       | 58   |  |          |  |          |          |            | _  |          | İ        |  |  |
|               | 58<br>59   |  |          |  |          |          | † <u> </u> | _  |          |          |  |  |
|               | 60   |  |          |  |          |          |            |  |          |          |  |  |
|               | 61   | <u> </u>   |          | $\vdash$   |          | <u> </u> | T          | <del>                                     </del> |          | $\vdash$ |  |  |
|               | 62   |  |          |  |          |          |            |  |          | -        |  |  |
|               | 60<br>61<br>62<br>63   |  | T        | 1  |          | <b>-</b> |            |  |          |          |  |  |
|               | 64   |  | T        |  | <u> </u> | _        |            | Г  | $\vdash$ | $\vdash$ |  |  |
|               | 64<br>65   |  |          |  |          | -        |            | <b>-</b>   | _        |          |  |  |
|               | 66   |  |          |  |          |          |            | <u> </u>   | 1        | -        |  |  |
| _             | 66<br>67   | Т  | $\vdash$ | $\vdash$   | $\vdash$ | Н        | Т          | $\vdash$   |          | _        |  |  |
|               | 68   | ┢  | 1        | ┢  | _        | Т        | Т          | $\vdash$   | $\vdash$ | $\vdash$ |  |  |
|               | 69   | T  | ┢        | T  |          | Т        | ┢          | ┢  | $\vdash$ |          |  |  |
| _             | 70   | <del>                                     </del> |          | <u> </u>   | H        | ┢        |            | ┢  | 1        |          |  |  |
|               | 71   | ┢  |          | ┢  |          | 1        | ┢          | ┢  | $\vdash$ |          |  |  |
|               | 72   | $\vdash$   | ╁        | $\vdash$   |          | ┢        | ┢          | $\vdash$   | $\vdash$ | $\vdash$ |  |  |
|               | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 | $\vdash$   |          |  |          | _        |            |  |          | $\vdash$ |  |  |
|               | 74   | $\vdash$   | Г        |  |          | $\vdash$ | _          | _  |          |          |  |  |
|               | 75   |  |          |  |          |          | ┢          |  | _        |          |  |  |
|               | 76   |  |          |  |          |          |            |  | _        | _        |  |  |
|               | 77   |  |          |  |          |          |            |  |          |          |  |  |
|               | 78   |  |          |  |          |          |            |  |          |          |  |  |
|               | 79   |  |          |  |          |          |            |  | <u> </u> | $\vdash$ |  |  |
|               | 80   |  |          |  |          |          | <u> </u>   | -  | <b></b>  | $\vdash$ |  |  |
|               | 81   |  |          |  |          |          |            |  |          |          |  |  |
|               | 82   | Г  | Г        |  |          |          |            |  |          |          |  |  |
|               | 83   |  |          |  |          | Г        |            | _  |          |          |  |  |
|               | 84   |  |          |  |          |          |            |  |          |          |  |  |
|               | 85   |  |          |  |          |          |            |  |          |          |  |  |
|               | 86   |  |          |  |          |          | Ĺ          |  |          |          |  |  |
|               | 87   |  |          |  |          |          |            |  |          |          |  |  |
|               | 88   |  |          |  |          |          |            |  |          |          |  |  |
|               | 89   |  |          |  |          |          |            |  |          |          |  |  |
|               | 90   |  |          |  |          |          |            |  |          |          |  |  |
|               | 91   |  |          |  |          |          |            |  |          |          |  |  |
|               | 92   |  |          |  |          |          |            |  |          |          |  |  |
|               | 93   |  |          |  | L        |          |            |  |          |          |  |  |
|               | 94   |  |          |  |          |          |            |  |          |          |  |  |
|               | 95   |  |          |  |          |          |            |  |          |          |  |  |
|               | 96   |  |          |  |          |          |            |  |          |          |  |  |
|               | 97   |  |          |  |          |          |            |  |          |          |  |  |
|               | 98   |  |          |  |          | Ĺ        | ــــا      |  |          |          |  |  |
|               | 99   |  | oxdot    |  | L        |          |            |  |          |          |  |  |
|               | 100  |  |          |  |          |          |            |  |          |          |  |  |

| Claim |            | Date     |  |          |  |          |             |              |          |           |  |
|-------|------------|----------|--|----------|--|----------|-------------|--------------|----------|-----------|--|
|       |            |          |  |          |  |          |             |              |          | П         |  |
| al    | ina        |          | l  |          |  |          |             |              |          | ΙI        |  |
| Final | Original   |          |  |          |  | 1        |             |              |          | H         |  |
|       | 0          |          |  |          |  |          |             |              |          |           |  |
|       | 101        |          |  |          |  |          | $\vdash$    |              |          | П         |  |
|       | 102        |          |  |          |  |          |             |              |          | П         |  |
|       | 103        |          | _  | П        | $\overline{}$                                    |          | $\vdash$    | _            |          | Н         |  |
|       | 104        |          | Г  | П        | $\vdash$   |          | $\vdash$    | Г            | $\vdash$ | Н         |  |
|       | 105        |          |  | Т        |  | T        |             |              | _        | П         |  |
|       | 106        |          |  |          |  | ┢        | _           |              | Г        | П         |  |
|       | 107        |          | _  |          |  | Г        | _           |              |          | П         |  |
|       | 108        |          |  |          |  | Г        |             |              |          | П         |  |
|       | 109        |          | Т  |          |  | Г        | $\vdash$    |              | Г        | П         |  |
|       | 110        |          | Г  |          |  |          |             | _            | <u> </u> | H         |  |
|       | 111        |          | $\vdash$   |          |  |          |             |              | Т        | П         |  |
|       | 112        |          |  |          | $\vdash$   | $\vdash$ |             | $\vdash$     | $\vdash$ | П         |  |
|       | 113        |          | П  |          |  | Г        |             | $\vdash$     |          | $\square$ |  |
|       | 114        |          |  | П        | Г  | Г        | $\vdash$    |              | ┢        | М         |  |
|       | 115        |          | $\vdash$   | $\vdash$ |  | Г        | $\vdash$    | $\vdash$     |          | М         |  |
|       | 116        |          |  | М        | $\vdash$   | ┢        | $\vdash$    | $\vdash$     |          | H         |  |
|       | 117        |          | <u> </u>   |          | _  |          | $\vdash$    |              |          | H         |  |
|       | 118        |          | $\vdash$   |          | <del>                                     </del> | $\vdash$ | $\vdash$    | $\vdash$     | $\vdash$ | Н         |  |
|       | 119        |          | $\vdash$   | Н        |  | $\vdash$ | ┢           | ┢            | ┢        | Н         |  |
|       | 120        |          |  | Н        | $\vdash$   |          | <del></del> | $\vdash$     |          | Н         |  |
|       | 121        |          | H  | Н        | $\vdash$   |          | -           | $\vdash$     |          | H         |  |
|       | 121<br>122 |          |  | _        | -  | ┢        | $\vdash$    | $\vdash$     |          | H         |  |
|       | 123        |          | ┝  | _        | -  | ┢        | $\vdash$    | <del> </del> | -        | Н         |  |
|       | 124        |          | ┢  | -        | _  | <u> </u> |             | $\vdash$     | ┢─       | Н         |  |
|       | 124<br>125 | $\vdash$ | -  |          | _  | -        |             | $\vdash$     | $\vdash$ | Н         |  |
|       | 126        | $\vdash$ |  |          | _  |          |             | $\vdash$     |          | Н         |  |
|       | 127        | -        |  |          |  | ┝        | -           | -            | $\vdash$ | Н         |  |
|       | 127<br>128 | _        |  |          |  |          |             | -            | <u> </u> |           |  |
|       | 129        |          |  |          |  | $\vdash$ | -           | _            | _        | $\vdash$  |  |
|       | 129<br>130 |          |  |          | -  | $\vdash$ | -           | -            | _        | H         |  |
|       | 131        |          |  |          |  | -        | $\vdash$    | $\vdash$     |          | Н         |  |
|       | 132        | _        |  |          | _  | -        | -           | H            |          | H         |  |
|       | 133        |          |  | -        | _  | $\vdash$ |             |              | Н        | $\vdash$  |  |
|       | 134        | _        | _  |          |  | -        | _           |              | -        |           |  |
|       | 135        |          |  |          |  |          |             | _            | -        |           |  |
|       | 135<br>136 | _        | _  | Н        |  |          |             |              |          | Н         |  |
| _     | 137        | _        | -  |          | —  | $\vdash$ |             |              |          | Н         |  |
|       | 138        |          | _  | -        | _  |          |             | -            | _        | Н         |  |
|       | 139        |          |  |          | -  |          |             |              |          | Н         |  |
|       | 140        |          |  | Н        |  | $\vdash$ | _           | _            |          |           |  |
|       | 141        | -        |  | $\vdash$ |  |          | $\vdash$    |              |          | Н         |  |
|       | 142        |          | $\vdash$   | Н        |  | $\vdash$ | $\vdash$    |              | -        | Н         |  |
|       | 143        |          | <del>                                     </del> | H        |  |          | -           | $\vdash$     | _        | Н         |  |
|       | 144        |          |  | Н        |  |          | _           | -            | -        | Н         |  |
|       | 145        |          |  | $\vdash$ |  |          | _           | $\vdash$     |          | Н         |  |
|       | 146        |          |  | $\vdash$ | -  | -        | $\vdash$    | _            | -        | $\dashv$  |  |
|       | 147        |          |  | $\vdash$ | -  |          |             | -            | H        | Н         |  |
|       | 148        |          |  | Н        |  |          | $\vdash$    | $\vdash$     | $\vdash$ | $\dashv$  |  |
|       | 149        |          | $\vdash$   | $\vdash$ |  |          |             | -            |          | $\vdash$  |  |
|       | 150        | -        | $\vdash$   | $\vdash$ |  | <u> </u> | $\vdash$    | $\vdash$     |          | $\dashv$  |  |
|       | 150        |          |  | لــــا   | Ļ  |          |             |              | Щ.       | Ц         |  |